



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

RALPH NEWTON MILLER ET. AL.

CASE NO.:

FL1158USNA

APPLICATION NO.: 11/590343

CONFIRMATION NO.: 6076

GROUP ART UNIT: 1621

EXAMINER:

FILED: OCTOBER 30, 2006

FOR: AZEOTROPE COMPOSITIONS COMPRISING E-1,3,3,3-

TETRAFLUOROPROPENE AND HYDROGEN FLUORIDE AND USES

THEREOF

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office the information listed on the enclosed PTO/SB/08A and/or PTO/SB/08B forms. A copy of the information, if required, is also enclosed. Consideration of the information is requested under 37 C.F.R. § 1.56 and this information is submitted in accord with the provisions of §1.97(b): within three months of filing the national application under 37 C.F.R. §1.53(d), or entry into the national stage under 37 C.F.R. §1.491, or before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action on the merits after filing a Request for Continued Examination under 37 C.F.R. §1.114.

If this Information Disclosure Statement is filed under §1.97(b) but the mailing date hereof is after the mailing of a first Office Action on the merits, the PTO is authorized to charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company) in order to

APPLICATION NO.: 11/590,343 DOCKET NO.: FL1158 USNA

complete the requirements for consideration of this Information Disclosure Statement.

Respectfully submitted,

DANIEL MARK MALÓNEY

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Dated: _ 4 1667

DMM:sbp Enclosures PTO/SB/08A (04-07)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known				
Application Number	11/590343			
Filing Date	October 30, 2006			
First Named Inventor	RALPH NEWTON MILLER			
Group Art Unit	1621			
Examiner Name	UNKNOWN			
Attorney Docket Number	FL1158USNA			

	U.S. PATENT DOCUMENTS							
Examiner Initials *	Cite No.1		cument Number - Kind Code ² (if kncwn)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		US -	4,978,649	12-18-1990	Surovikin et al.			
		US -	5,895,825	04-20-1999	Elshiekh et al.			
		US -	5,986,151	11-16-1999	Van Der Puy			
		US -	6,031,141	02-29-2000	Mallikarjuna et al.			
		US -	6,548,719 B1	04-15-2003	Nair et al.			
		US -	6,755,942 B1	06-29-2004	Baker et al.			
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	FOREIGN PATENT DOCUMENTS									
Examiner	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
Initials*		CountryCode ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			T ₆				
		JP 11-140002	05-25-1999	Central Glass Co. Ltd.	Abstract					
		WO 2004/018093 A2	03-04-2004	Du Pont						
		WO 2004/018095 A`	03-04-2004	Du Pont						
		<u>;</u>								
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE						Application Number	11/590343
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	STATEMENT BY APPLICANT				LICANT	First Named Inventor	RALPH NEWTON MILLER
						Group Art Unit	1621
(Use as many sheets as necessary)					sary)	Examiner Name	UNKNOWN
	Sheet	2	of	2	, ,	Attorney Docket Number	FL1158USNA

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²					
		SCHOTTE, "Collection of Phase Equilibrium Data for Separation Technology", Ind. Eng. Chem. Process Des. Dev. 19 (1980), pp. 432-439						
		NULL, "Phase Equilibrium in Process Design", Wiley-Interscience Publisher (1970), pp. 124-126						
		REID ET AL., "The Properties of Gases and Liquids - Fluid Phase Equilibria in Multicomponent Systems", 4 th Edition, McGraw Hill Publisher, pp. 241-387						
		WALAS, "Phase Equilibria in Chemical Engineering - Activity Coefficients", Butterworth Publishers (1985), pp. 165-244						
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